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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-40 °C TO 120 °C	STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C ⁽¹⁾	
	CURRENT	30 A	STORAGE HUMIDITY RANGE	RELATIVE HUMIDITY 85% MAX (NOT DEWED)	
	VOLTAGE	600 V AC/DC			
SPECIFICATIONS					
ITEM	TEST METHOD	REQUIREMENTS	QT	AT	
CONSTRUCTION					
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	x	x	
MARKING	CONFIRMED VISUALLY.		x	x	
ELECTRIC CHARACTERISTICS					
CONTACT RESISTANCE	10A DC. \triangle ₂	3mΩ MAX	x	-	
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD	20 mV AC MAX, 10mA(DC OR 1000Hz) \triangle ₂	3mΩ MAX	x	-	
MECHANICAL CHARACTERISTICS					
MECHANICAL OPERATION	30 TIMES INSERTIONS AND EXTRACTIONS. MEASURE CONTACT RESISTANCE.	① CONTACT RESISTANCE: 5mΩMAX ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	-	
VIBRATION	FREQUENCY 20 TO 200Hz (88m/s ²) SWEEP TIME 3min.(ROUND TRIP) AT 3h FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 7ΩMIN , 1μs MIN. ② CONTACT RESISTANCE: 5mΩMAX ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	-	
ENVIRONMENTAL CHARACTERISTICS					
DAMP HEAT (STEADY STATE)	EXPOSED AT 85 °C, 90 ~ 95 %, 96 h.	① CONTACT RESISTANCE: 5mΩMAX ② INSULATION RESISTANCE:100 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	-	
RAPID CHANGE OF TEMPERATURE	TEMPERATURE- 40 →ROOM TEMP →120°C→ ROOM TEMP TIME 30 → 5 → 30 → 5 min UNDER 1000 CYCLES.	① CONTACT RESISTANCE: 5mΩMAX ② INSULATION RESISTANCE:100 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	-	
DRY HEAT	EXPOSED AT 125°C, 300 h.	① CONTACT RESISTANCE: 5mΩMAX ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	-	
COLD	EXPOSED AT -40°C , 120 h.	① CONTACT RESISTANCE: 5mΩMAX ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	-	
RESISTANCE TO SO ₂ GAS	EXPOSED IN 25 PPM AT 75% MIN FOR 96h.	CONTACT RESISTANCE:5mΩMAX	x	-	
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
\triangle ₂	2	DIS-T-00003861	TS.SHIMIZU	AH.EDASHIGE	20180928
REMARK			APPROVED	HK.UMEHARA	20171129
(NOTE1) "STORAGE" means a long-term storage state for the unused product.			CHECKED	HK.UMEHARA	20171129
			DESIGNED	KO.NAKAMURA	20171129
			DRAWN	MN.SATOH	20171129
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.	ELC-368755-00-00	
HRS	SPECIFICATION SHEET		PART NO.	HVH-280-1214PCF	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL778-0501-0-00	\triangle ₂ 1/1